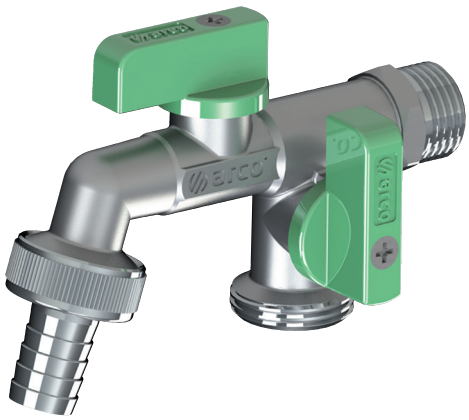
VITAQ SYSTEM

arco® QUALITY BY TRADITION

nano double vitaq



TECHNICAL SHEET 06/2016 | IP04040

SCOPE

NANO DOUBLE VITAQ taps are used in those plumbing installations where it is required 2 independent outlets from a single connection to the drinking water network. These taps incorporate ARCO anti-lime solution, already present in other series such as A·80, Washing Machine, Mini, etc. This solution minimizes the effect of lime in the valves.

Due to their design and materials are intended to be used in:

- Indoor networks, its reduced dimensions makes it suitable for its use inside the housing (galleries, balconies, parking areas, etc.) as auxiliary tap with 2 outlets.

- Outdoor networks, gardening, terraces, yard, etc . Coupling for hosepipe is available and connection for irrigation controller.

In general, all those applications that require a valve to shut off the liquid flow, assuring leak tightness and fulfill all the following service conditions.

NANO DOUBLE VITAQ is a quarter turn tap, allowing great maneuver.

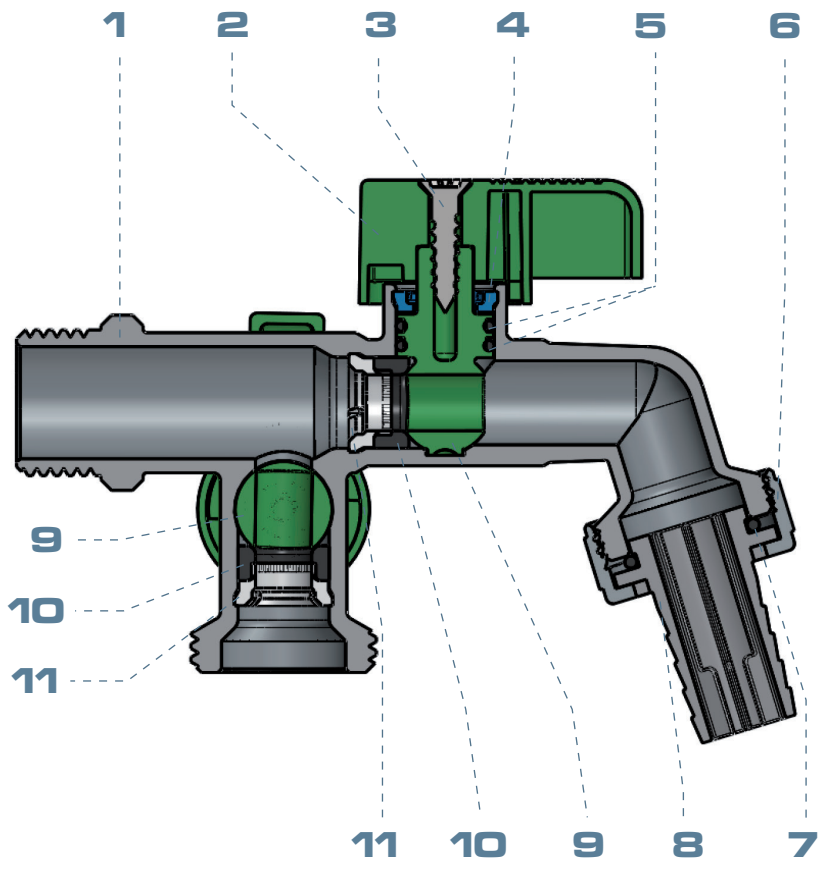
SERVICE CONDITIONS

Nominal pressure:	16 bar
Test pressure:	25 bar
Temperature range:	Cold water
Fluid:	Water intended to human consumption

COMPONENTS

Item	Component	Material	Treatment
1	Body	European Brass CW617N	Chrome plated
2	Handle *	PA with UV protection	Green
3	Screw	Stainless steel	
4	Supporting clip	POM	
5	O-Rings	NBR	
6	Nut	European brass CW614N	Chrome plated
7	O-Ring	NBR	
8	Nozzle**	Brass	Nickle plated
9	Stem	Anti-lime polymer	
10	Seats	NBR	
11	Supporting clip	POM	

* Handle also available chromed plated for some countries, see catalogue.
** Nozzle also available made of polypropylene for some countries, see catalogue.



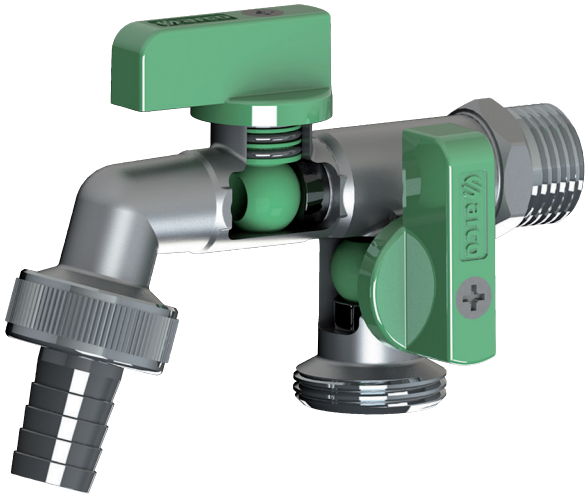
MAIN CONSTRUCTIVE **FEATURES**

VITAQ SYSTEM

Stem and ball are manufactured in one whole piece made of anti-lime polymer, which increases its resistance and performance, avoiding lime effects.

This original ARCO's component has been designed to reduce loss of pressure, keeping a constant flow rate and avoiding noise. As well ball-stem's quarter turn system has the same fundamental features of leak tightness and loss of pressure that you can find in the A·80 series.

The anti-lime stem-ball is the perfect solution to prevent lime problems, that can render useless the valve and maintain the flow rate constant along the time, avoiding the lime to adhere, reducing the water flow.



BODY: MANUFACTURED IN ONE WHOLE PIECE

Main body made in one piece in European brass CW617N by means of hot stamping process. Both process and materials confer the following advantages versus casting valves or valves made in different parts:

- Pores and bumpy texture absence.
- Surfaces with better finished.
- Higher mechanical endurance against high pressures.
- Monoblock body without a possibility of leak, being made in one piece versus other models from the competitors made in 2 pieces.

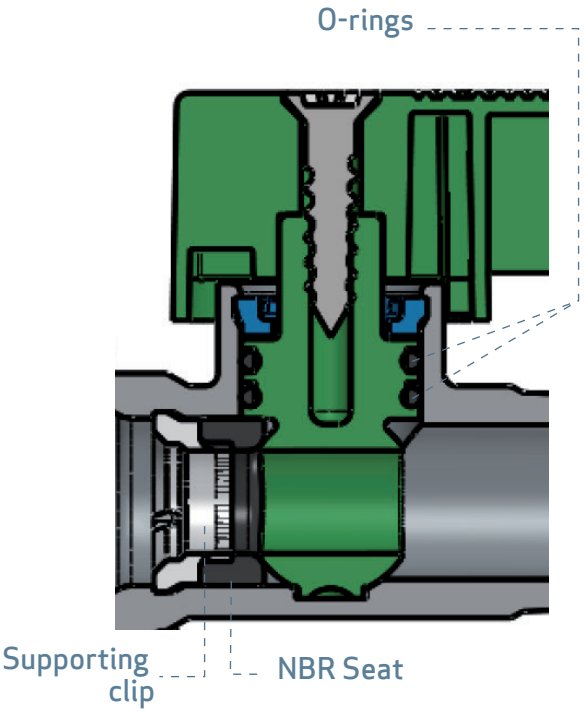
INTERNAL leak tightness

The supporting clip made of POM is placed in the valve to push the NBR seat against the stem-ball, assuring internal leak tightness.

This system cannot be dismantled, avoiding improper manipulations.

EXTERNAL leak tightness

A pair of NBR O-rings placed on each of the stems assure external leak tightness.
This double joint system guarantees safety against external leakage, use, ageing, etc.



MAIN CONSTRUCTIVE **FEATURES**

HANDLE

Green handle includes an additional UV protection that allows its outdoor installation, keeping all the mechanical properties along the useful life.

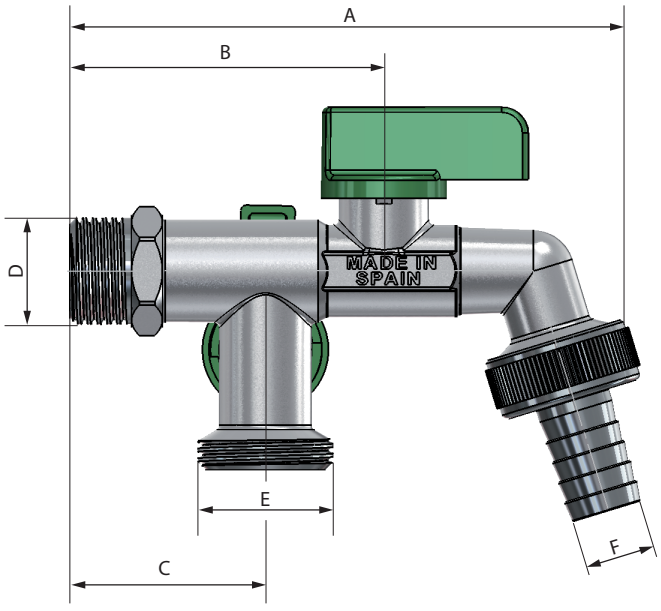
Chromed handle is also available for certain models and countries, see catalogue.

DIMENSIONS

NANO DOUBLE VITAQ metallic nozzle

Size	A	B	C	D	E	F
1/2M x 3/4M x 3/4M	114	59	32	G1/2	G3/4	G3/4 ø15

G. Thread ISO 228

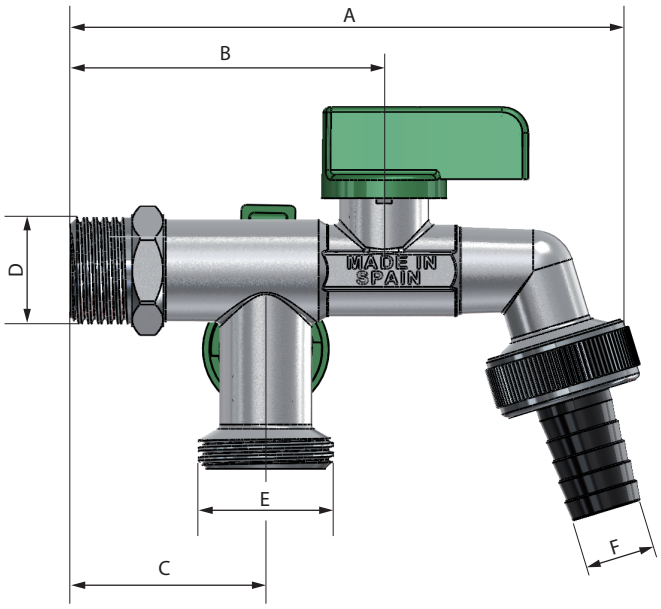


DIMENSIONS

NANO DOUBLE VITAQ plastic nozzle

Size	A	B	C	D	E	F
1/2M x 3/4M x 3/4M	114	59	32	G1/2	G3/4	G3/4 ø15

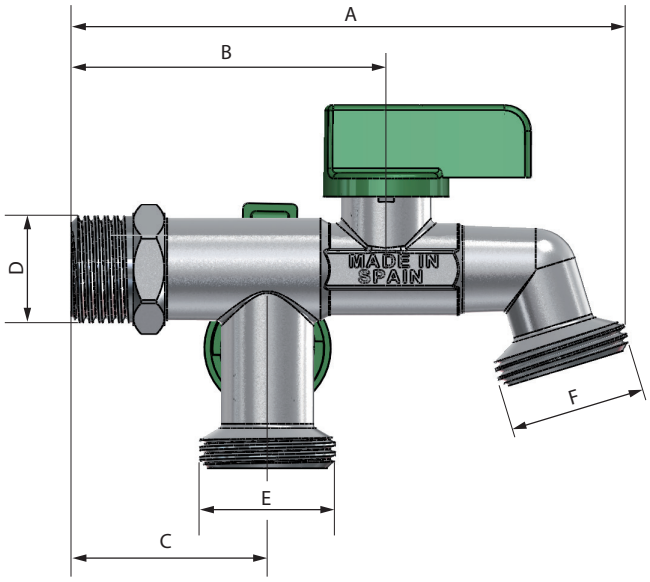
G. Thread ISO 228



NANO DOUBLE VITAQ NPT

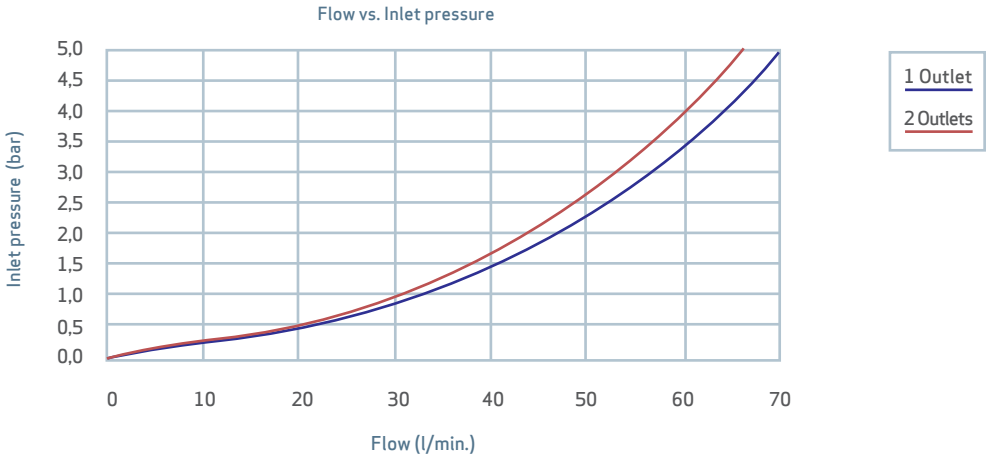
Size	A	B	C	D	E	F
1/2 NPT x 3/4 HT x 3/4 HT	109	61	38	1/2 NPT	3/4 HT	3/4 HT

NPT Thread ASME B1.20.1
HT Thread ASME B1.20.7



HYDRAULIC **FEATURES**

NANO DOUBLE VITAQ series have been tested by our laboratory to determine the hydraulic features of flow vs. inlet pressure according European Norm EN1267.



INSTALATION **AND ASSEMBLY**

Hold the valve from faces of the hexagons, never from the central part or its neck that will avoid internal components deformations (in other case valve could be damaged inevitably).

The maximum valve life is obtained with the closure sphere in the full open or closed position, it is recommended do not work in intermediate positions for long time periods.

Valve must be maneuver every 3 month; this frequency must be increased for waters with a French hardness over 50º.

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